

INTERNATIONAL SEARCH REPORT

10/524 297

Internal Application No
PCT/GB 03/03705

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 A63B69/36

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A63B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X A	US 4 170 356 A (BANKS) 9 October 1979 (1979-10-09) the whole document ---	1-10, 12-15 16
X A	US 3 918 721 A (TRASK, JR.) 11 November 1975 (1975-11-11) the whole document ---	1-3,5,6, 10,13-16 8
X A	US 5 904 624 A (MARTINEZ) 18 May 1999 (1999-05-18) the whole document ---	1,3,6,8, 10,11, 13-16 5
A	US 4 145 054 A (STEWART) 20 March 1979 (1979-03-20) cited in the application column 2, line 9 - line 63; figures 1-10 --- -/--	1-5,10, 12

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the international filing date

L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

8 document member of the same patent family

Date of the actual completion of the international search

23 December 2003

Date of mailing of the international search report

07/01/2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 846 143 A (BROCK ET AL.) 8 December 1998 (1998-12-08) column 7, line 50 - line 67; figure 10 ---	1-5,8, 10,13-16
A	FR 2 752 167 A (GIRAUD) 13 February 1998 (1998-02-13) the whole document ---	1-3,8-10
A	US 4 023 812 A (LORANG) 17 May 1977 (1977-05-17) column 4, line 4 - line 43; figures 1-4 -----	3,12-14

INTERNATIONAL SEARCH REPORT

Information on patent family members

Internatio

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